

REMARKS

Claims 1-8 are currently pending in this application. Claims 1-8 are rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 5,808,224 to Kato in view of U.S. Patent No. 7,328,272 to Kuramochi et al. (hereinafter, "Kuramochi"), and further in view of U.S. Patent No. 5,906,494 to Oagawa et al. (hereinafter, "Ogawa").

Regarding the §103(a) rejection of independent Claim 1, this claim is patentable over Kato, Kuramochi, and Ogawa. The Examiner asserts that Kato discloses a portable downloader connected to a karaoke player comprising the following elements:

- an RF receiver, referring to Claim 3 of Kato;
- a demodulator, referring to the Abstract, page 7, lines 5-22, and column 12, lines 5-28 of Kato;
- a waveform shaping unit, referring to modulator 36 of FIG. 2 of Kato;
- a receiver, referring to column 7, lines 35-50 of Kato; and
- an optical disk, referring to column 1, line 54-column 2, lines 2 and column 12 lines 5-28 of Kato. (Final Office Action, page 2).

However, the components of Kato referred to by the Examiner are not all included in a portable downloader, but are instead respectively located within various separate devices, only one of which is a portable downloader. Regarding the RF receiver, the Examiner refers to Claim 3 of Kato, but does not refer to claims regarding the other components. Therefore, it is unclear as to which elements in the Specification of Kato that the Examiner is referring to regarding the RF receiver, with respect to other components cited by the Examiner with reference to the Specification of Kato. The demodulator 17 cited by the Examiner is included in the karaoke player 1 of FIG. 3 of Kato. The modulator 36, which is cited by the Examiner with reference to the waveform shaping unit of the present application, is included in the data loader 2 of Kato, which

does not include an RF receiver, and therefore does not receive a data signal from an RF receiver, as required by Claim 1 of the present application. Regarding the receiver, the Examiner broadly refers to column 7, lines 35-50 of Kato, which refers to both FIGs. 1 and 2 of Kato, and therefore, it is unclear as to which component the Examiner refers to. Regarding the optical disk, the Examiner cites passages from the Background of the Invention section of Kato, which is distinct from the teachings of the Detailed Description section of Kato, as well as column 12, lines 5-28 of Kato, which does not teach, disclose, or suggest an optical disk.

Since the Examiner relies on components from various different devices from both the Background of the Invention section and the Detailed Description section of Kato, it is clear that Kato does not teach, disclose, or suggest the various components included in an apparatus such as defined in Claim 1 of the present application, performing the respective functions according to the limitations of Claim 1.

Kuramochi and Ogawa do not cure the deficiencies of Kato. All of the claimed features of independent Claim 1 are not taught or suggested by the combination of Kato, Kuramochi, and Ogawa or by either reference alone. Therefore, Claim 1 is patentable over Kato, Kuramochi, and Ogawa. Accordingly, withdrawal of the §103(a) rejection of Claim 1 is respectfully requested.

Regarding §103(a) rejection of independent Claim 6, this claim is patentable over Kato, Kuramochi, and Ogawa. At the very least, Kato and Kuramochi do not teach, disclose, or suggest, “a wireless microphone device for...radio- transmitting the modulated key data signal and voice signal.” The Examiner states that Kato discloses, “a portable downloader connectable to a karaoke player comprising an RF receiver for receiving a voice signal and a key data signal transmitted from a wireless microphone (See claim 3) via a receiving antenna....” (Office Action, page 2).

However, although the Examiner cites Claim 3 of Kato, the claims of Kato do not include any reference to a microphone or, more specifically, a wireless microphone. More specifically, Claim 3 of Kato merely states, “a bi-directional wireless communication channel formed between the player and the loader for exchanging a control message effective to control the downloading of the data of the songs.” The communications of Claim 3 of Kato do not originate from a wireless microphone. Further, Kato does not teach, disclose, or suggest that this wireless communication channel is for sending both a voice signal and a key data signal. To the contrary, FIG. 3 of Kato depicts a *wired* microphone 25 connected to a karaoke player 1, which teaches away from the limitations of Claim 6. Therefore, Kato does not teach, disclose, or suggest the above-quoted limitation of Claim 6.

Claim 6 also includes the limitation of “a Radio-Frequency (RF) Karaoke system data receiving pack for receiving the voice signal and key data signal...demodulating the received voice signal and key data signal, waveform shaping the demodulated key data signal, and transmitting the demodulated voice signal.” The Examiner asserts that Kato discloses these limitations on the same grounds as independent Claim 1. (Final Office Action, page 2). However, as indicated above regarding independent Claim 1, the Examiner cites components from various different devices performing functions that differ from those in the above-quoted limitation of Claim 6. Therefore, Kato does not teach, disclose, or suggest an RF Karaoke system data receiving pack for performing all of the functions as recited in the above-quoted limitation Claim 6.

Kuramochi and Ogawa do not cure the deficiencies of Kato. All of the claimed features of independent Claim 6 are not taught or suggested by the combination of Kato, Kuramochi, and Ogawa or by either reference alone. Therefore, amended independent

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Claim 6 is patentable over Kato, Kuramochi, and Ogawa. Accordingly, withdrawal of the §103(a) rejection of Claim 6 is respectfully requested.

Claims 2-5 and 7-8 are dependent claims, and are believed to be in condition for allowance for at least the reasons given above with regard to their respective independent Claims 1 and 6.

Accordingly, all of the claims pending in the Application, namely, Claims 1-8 are believed to be in condition for allowance. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicant's attorney at the number given below.

Respectfully submitted,


Paul J. Farrell
Reg. No. 33,494

Attorney for Applicant(s)

THE FARRELL LAW FIRM, LLP
290 Broadhollow Road, Suite 210E
Melville, New York 11747
Tel: (516) 228-3565
Fax: (516) 228-8475